CLAIMS

1. Sanding element with a succession of overlapping lamellas (3,4) containing sanding grains (9), characterised in that these lamellas (3,4) are alternately formed of sanding lamellas (3) and compressible lamellas (4), whereby each sanding lamella (3) rests on a compressible lamella (4).

2. Sanding element according to claim 1, characterised in that said sanding lamellas (3) and/or the compressible lamellas (4) are composed of several lamellas of the type concerned.

3. Sanding element according to claim 1 or 2, characterised in that said compressible lamellas (4) are elastically compressible.

4. Sanding element according to any one of claims 1 to 3, characterised in that said compressible lamellas (4) have an open structure.

5. Sanding element according to any one of claims 1 to 4, characterised in that said compressible lamellas (4) contain non-woven fibres (10), more particularly non-woven synthetic fibres (10).

6. Sanding element according to claim 5, characterised in that sanding grains (9) are provided on said fibres (10).

7. Sanding element according to claim 5 or 6, characterised in that said fibres (10) are joined together by means of a synthetic resin and thus form a three-dimensional open fibre structure.

8. Sanding element according to claim 7, characterised in that sanding grains (9) adhere to said fibres (10) by means of the above-mentioned synthetic resin.

9. Sanding element according to any one of claims 1 to 8, characterised in that said sanding lamellas (3) are formed of abrasive cloth.

10. Sanding element according to any one of claims 1 to 9, characterised in that the thickness of said compressible lamellas (4) is at least equal to three times the thickness of said sanding lamellas (3).

11. Sanding element according to any one of claims 1 to 10, characterised in that said lamellas (3,4) are fixed on a round, disc-shaped support (2), whereby the free edges (7) of these lamellas (3,4) extend almost radially.